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Your attention is invited

**NEWS
OF THE
STRUCTURAL
DIVISION
OF
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**JOURNAL OF THE STRUCTURAL DIVISION
PROCEEDINGS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS**

DIVISION ACTIVITIES

STRUCTURAL DIVISION

Proceedings of the American Society of Civil Engineers

NEWS

November, 1958

Contents

Executive Committee	Page 1
Committee on Publications	Page 2
Committee on Masonry and Reinforced Concrete	Page 2
Fourth National Construction Industry Conference	Page 3
Structural Division Journal	Page 5

EXECUTIVE COMMITTEE

The Executive Committee is the administrative body of the Division. It is responsible for planning all activities of the Division. In doing so, it determines the entire committee structure of the Division and creates administrative committees, both technical and non-technical, as well as technical task committees to which are assigned particular work areas to carry out the purpose of the Division.

The Executive Committee appoints the membership of all Division Committees, and plans all conference and convention programs or delegates such responsibility to others subject to its approval. The Executive Committee is responsible for the acceptance or rejection of papers submitted for publication in the Division Journal or it may delegate that responsibility to others.

An annual budget is prepared by the Executive Committee to carry out the work program of the Division, and it acts as liaison between the Division and the Board of Direction and in an advisory capacity to the Board on any subjects concerning the field of activity of the Division.

The Executive Committee for the year 1958-59 consists of the following members:

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George S. Vincent	Chairman	(1960)
Elmer K. Timby		(1961)
Robert D. Dewell		(1959)
Emerson J. Ruble		(1962)
Charles T. G. Looney	Secretary	(1959)

All terms of office expire in October of the year indicated. Mr. Ruble and Professor Looney are new appointees to the Committee. Mr. Ruble is Research Engineer Structures with the Association of American Railroads. He has served on numerous committees of the A.S.C.E. and A.R.E.A. Professor Looney is head of the Civil Engineering Department at the University of Maryland. He has recently served as Chairman of the Committee on Cooperation with Local Sessions

COMMITTEE ON PUBLICATIONS

During the past year under the leadership of Chairman Nathan W. Morgan, the Committee on Publications has handled 129 papers submitted for publication in the Structural Division Journal. Of these papers, 55 were approved, 24 were declined, 8 were sent to other Divisions of the Society, 3 were returned to the author for rewriting, 1 was returned because review was discontinued and 38 are now being reviewed.

Committee on Masonry and Reinforced Concrete Reviews Progress

The Administrative Committee on Masonry and Reinforced Concrete under Chairman Phil M. Ferguson held a productive full day meeting in Chicago on September 4. This committee is made up of the Chairmen of the eight task committees active in this field:

- Composite Construction - I. M. Viest
- Design of Reinforced Concrete Slabs - C. P. Siess
- Folded Plate Construction - L. C. Maugh
- Limit Design - A. L. Parme
- Precast Structural Concrete Design and Construction - J. R. Janney
- Prestressed Concrete - Thor Germundsson
- Reinforced Masonry Design and Practice - Mackintosh
- Shear and Diagonal Tension - C. S. Whitney
- Contact Member from Structural Division ASCE - Leo H. Corning

All members except one were present. Significant activity in each committee was reported.

The Committee on Composite Construction under Dr. I. M. Viest is concentrating on recommendations for the design of composite buildings. A symposium on this subject has been scheduled for the 1959 fall meeting of ASCE in Washington, D. C.

Tests to destruction on a nine-panel flat plate floor were reported as completed by Professor C. P. Siess for the Committee on Design of Reinforced Concrete Slabs. Analysis of the data will take some time. A design of a flat slab floor of nine panels was completed by Joseph DiStasio before his death and the committee is ready to start on this test. These two investigations are a part of a four or five series which this committee will conduct.

Professor L. C. Maugh, for the Committee on Folded Plate Construction, reported that the committee had sponsored tests on laboratory models in aluminum and concrete, with much of this work still unpublished. The committee has prepared material for a report but this will probably first be published as a series of individual papers, to get comments and criticism.

The Committee on Limit Design has met and established the scope of its immediate work. Task committees were set up by Chairman A. L. Parme to do analytical studies and to determine the research that is needed. A symposium will be held in 1959 or 1960 and no report can be expected earlier than 1960. The chief problem ahead is the establishment of rotational capacity of reinforced concrete members.

Mr. J. R. Janney, after reporting that his Committee on Precast Structural Concrete Design and Construction had surveyed the general field and had found much needed research to be done, agreed to concentrate immediate effort on joints and connections. Other committees will be alerted to the need for research in the fields of accelerated curing and the vibration of low slump concrete.

The report of the Committee on Prestressed Concrete was given by Mr. Thor Germundsson. Their recommended practice was published early this year and the Committee is working on closing discussions. To facilitate revisions, no attempt will be made to make the present report a standard. He stated a new committee should be created to follow up the present report and make revisions after the present committee is discharged.

A report from the Committee on Reinforced Masonry Design and Practice indicated that a formal report was being scheduled for 1960. Chairman Albyn Mackintosh stated that much research was needed to answer questions of shear strength and the effect of reinforcement. Some tests have been made on specific materials.

Mr. C. S. Whitney reported that the Committee on Shear and Diagonal Tension was using electronic computers to analyze the data now on hand. A draft of the final report of this committee should be in the hands of the committee by next February with the final report due in about another year, February, 1960.

Matters of procedure and policy were discussed thoroughly. The Administrative Committee went on record as needing non-ASCE members on some of its task committees and objecting to the recently established term of advisors for such men.

FOURTH NATIONAL CONSTRUCTION INDUSTRY CONFERENCE

A two-day program on the theme "Creative Trends in Urban Building" will be held Wednesday, December 10, 1958 and Thursday, December 11, 1958 at the Hotel Sherman, Chicago, Illinois.

The Board of Direction of the A.S.C.E. has approved participation by the City Planning, Construction and Structural Divisions in this Conference. In addition to the A.S.C.E., the Conference is co-sponsored by the following organizations:

- Armour Research Foundation of Illinois Institute of Technology
- American Institute of Architects
- Associated General Contractors of America
- Building Research Institute

The tentative arrangement of the program for this meeting is as follows:

Wednesday Morning - December 10

HUMAN NEEDS IN URBAN SOCIETY

Moderator: David B. Singer, Mechanical Engineering Research Department, Armour Research Foundation of Illinois Institute of Technology, Chicago, Illinois

John E. Burchard, Dean of Humanities, Massachusetts Institute of Technology, Cambridge, Massachusetts

Jane Jacobs, Associate Editor, "Architectural Forum"

Karl A. Menninger, Menninger Clinic, Topeka, Kansas

Amos H. Hawley, Chairman, Department of Sociology, University of Michigan, Ann Arbor, Michigan

Wednesday Afternoon - December 10

THE ARCHITECTS RESPOND

Session Chairman: Philip Will Jr., Vice President, American Institute of Architects

The New Scale in Cities

Paul M. Rudolph, Chairman, Department of Architecture, Yale University, New Haven, Connecticut

Monumental Structures

Walter A. Netsch, Jr., Skidmore, Owings and Merrill, Chicago, Illinois

A New City in the Making

William L. Pereira, Pereira and Luckman, Los Angeles, California

Cities of the Future

Louis I. Kahn, Philadelphia, Pennsylvania

Thursday Morning - December 11

THE ENGINEERS RESPOND

Session Chairman: Leo Corning, Chairman (1957-1958) Executive Committee, Structural Division, A.S.C.E.

Co-Chairman: Robert B. Banks, Department of Civil Engineering, Technological Institute, Northwestern University

The Challenge to Structural Analysts

Raymond W. Sauer, Supervisor, Structural Analysis, Armour Research Foundation of Illinois Institute of Technology

Prestressed Concrete

James D. Piper, Vice President, Portland Cement Association, Chicago, Illinois

Recent Advances in Frameworks

C. Merrill Barker, Barber and Magee, Cleveland, Ohio

Thin Shells

Eduardo Torroja, Madrid, Spain

Thursday Afternoon - December 11

THE BUILDERS RESPOND

Structures for Business Living

Frank J. Rooney, President, Frank J. Rooney, Inc., Miami, Florida

Structures for Family Living

Urban Building: Retrospect and Prospect

This conference offers to structural engineers a rare opportunity to hear and see Eduardo Torroja, who is one of the world's foremost authorities on shell structures. The English version of his book, "Philosophy of Structures" is now available from the University of California Press. This book is thought provoking and would form a worthwhile addition to any engineers library.

STRUCTURAL DIVISION JOURNAL

The main objectives of the Newsletter are to generate continuing interest in the affairs of the division, to encourage active participation of its members, and to aid in technical advancement through dissemination of information concerning matters of professional interest.

Among items generally included are session programs for coming conventions or separate conferences and an account of prior meetings; committee assignments and personnel changes, significant results of committee meetings, noteworthy activities of committee members; comments on new policies announced by the Board of Direction or ASCE headquarters of particular interest to the division; budget information; references to activities of other organizations having an overlapping area of interest, as well as personal items such as recognition of honors, awards, and changes in professional status of Division members.

These objectives were presented by L. B. Feagin in an article prepared for the Technical Procedure Conference. The success of the Newsletter depends, in a large manner, to the adequacy of the system for gathering news. The Structural Division Newsletter depends on the members and Committee Chairman for its information. Cooperation is essential to insure a continuing flow of news items. Comments on and suggestions for the improvement of the Newsletter will be welcomed.

New items for the January issue should be submitted to the Newsletter editor prior to November 26, 1958.

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The Journal is devoted to the publication of original research papers, reviews, and other material of interest to anthropologists. It is particularly concerned with the study of human evolution, human biology, and human behaviour.

The Journal is published quarterly, in January, April, July, and October. The subscription price of the Journal (which includes postage) is £12.00 per annum in advance. Single parts are available for purchase at £3.00 each.

Orders for the Journal should be sent to the Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994, U.S.A.

The Journal is indexed and abstracted in the following journals: *Current Contents in Biological and Medical Sciences*, *Current Contents in Social and Behavioural Sciences*, *Current Contents in Life Sciences*, *Current Contents in Physical, Chemical and Earth Sciences*, *Current Contents in Health Sciences*, *Current Contents in Medicine*, *Current Contents in Psychology*, *Current Contents in Education*, *Current Contents in Law*, *Current Contents in Business and Economics*, *Current Contents in Arts and Humanities*, *Current Contents in Engineering and Technology*, *Current Contents in Agriculture and Forestry*, *Current Contents in Environmental Sciences*, *Current Contents in Health Sciences*, *Current Contents in Medicine*, *Current Contents in Psychology*, *Current Contents in Education*, *Current Contents in Law*, *Current Contents in Business and Economics*, *Current Contents in Arts and Humanities*, *Current Contents in Engineering and Technology*, *Current Contents in Agriculture and Forestry*, *Current Contents in Environmental Sciences*.

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